ABSTRACT

A method of superimposing additional information on a video signal, transmitting it, and detecting the additional information from the transmitted video signal. The additional information is synchronized with a sync signal in the video signal, and generated in N ($N \geq 1$) unit intervals of one field of the video signal. Some predetermined unit intervals of the additional information generated in N ($N \geq 1$) unit intervals of one field of the video signal, are phase-inverted. The additional information is identified by detecting the information in unit intervals based on the sync signal in the video signal, and detecting that information in some predetermined unit intervals is inverted. The additional information is identified by detecting the information in unit intervals, and integrating the detection results with the information in inverted predetermined unit intervals inverted.